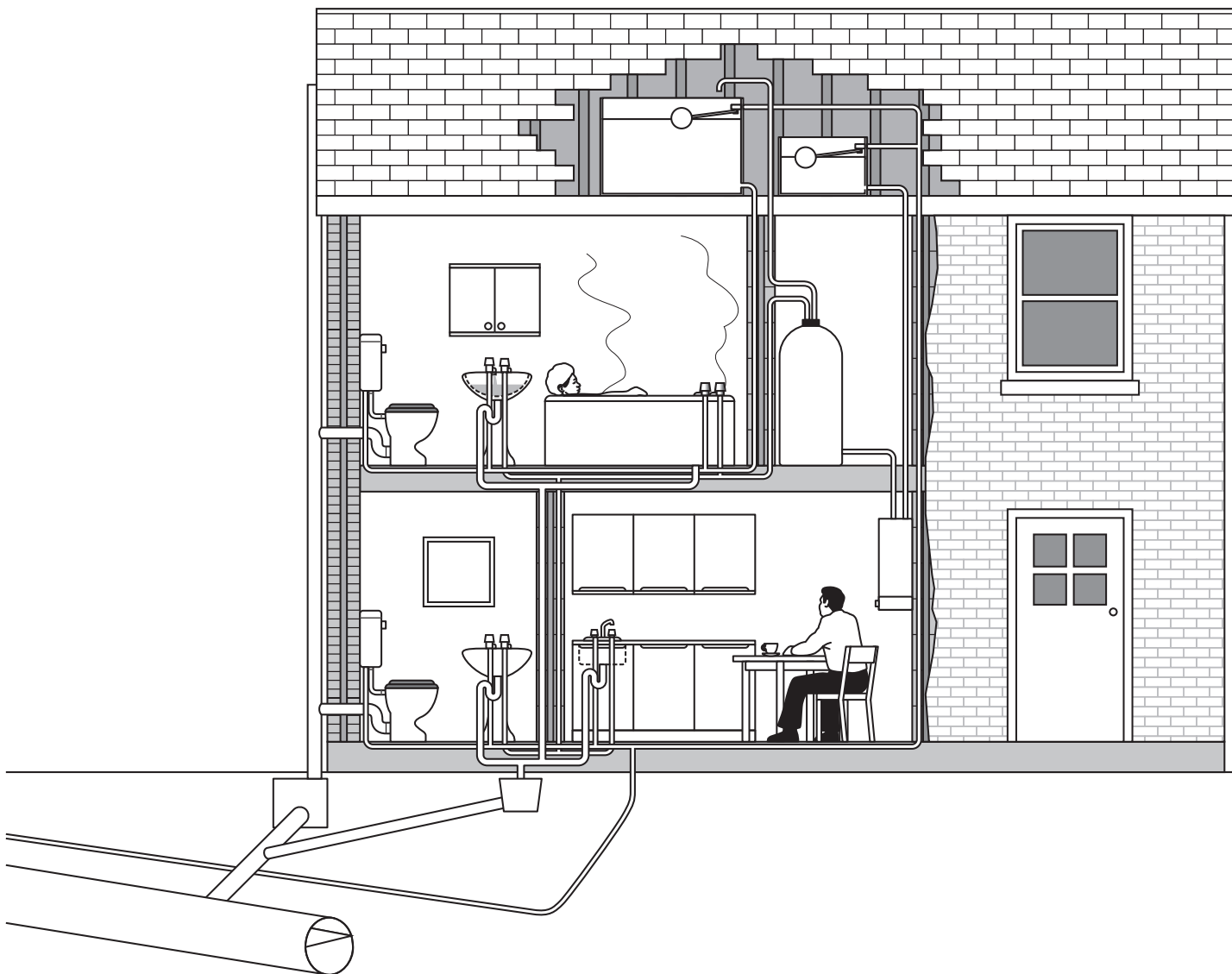


## Building up pressure

Water can be under pressure in many places in a house. This is true of water entering and water leaving.



**Q1.** On the diagram above, use a coloured pencil to show which pipes are carrying water under pressure from the mains.

**Q2.** Use a different colour to show the other places where water is under pressure (but not mains pressure).

## Answers

1. **The pipes under mains pressure on this diagram are the pipe leading from the mains in the street to the loft tank and also the pipes that branch from this to supply cold water to downstairs, such as the sink.**
2. **Water under less than mains pressure are all the pipes from the loft tank: the upstairs hot and cold (including the boiler and hot water cylinder) and also the pipes leading to the toilet.**

**For those who might be looking for smart solutions, the toilet cistern also puts water under pressure as soon as the handle is pulled. This is how the toilet is flushed. Note that the water in the drains is **NOT** under pressure and so the drains and sewers should not be coloured in.**

## Notes

*This is an apparently simple task that actually takes children around all of the pipes in the house and gets them to follow connections.*

*The simplest connection is to the tank, but many may well miss the branch to the downstairs sink, etc.*

*Following the path of water pipes from the loft is more complex, so some children will need help and for some it may take quite a long time.*